



42A01NE0209 63.3269 TECK

010

RE: SPARK GOLD MINES LIMITED UNDERGROUND OPERATIONS IN 1974

Spark Gold Mines Limited holds six claims centrally located in Teck Township, Larder Lake Mining Division. Immediately prior to their acquisition by Spark these claims were known as the Welsh Property. Numbered 342832, 342833, 342834, 342855, 342856 and 342857, they were recorded in October, 1972.

Situated immediately north of the Macassa Mine and the Tegren property they were once part of Casakirk Gold Mines, Limited and, under that ownership, saw considerable surface and underground work performed.

In 1940 Macassa Mines, Limited, in association with Hollinger Consolidated Gold Mines Limited, and under an option agreement with Casakirk undertook to drive a crosscut on the 2,950-foot level at the Macassa Mine.

This heading drove northerly from the vicinity of Macassa's No. 1 shaft for some 2,000 feet and penetrated 721 feet into Casakirk ground on what is now Spark's easterly claim, numbered 342832. In addition to the crosscutting, some drifting and diamond drilling was also done on Casakirk under this agreement. In 1941 the programme was cancelled and the "Casakirk Crosscut" stood idle.

In March, 1974, W. J. Riddell, P.Eng., prepared a report on the Welsh Property. Upon incorporation the directors of Spark Gold Mines Limited adopted Mr. Riddell's recommendations.

A major portion of the proposed work was 5,200 feet of underground diamond drilling fanned out from a point at or near the north (far) end of the Casakirk crosscut. In order to carry out this phase of the work it was essential - not a matter of choice - to rehabilitate the 2,000 feet of

crosscut which, stripped of track, air lines and water lines, had stood idle for over thirty years. Therefore Spark made arrangements with Wilroy Mines Limited (Macassa Division) for this work to be done.

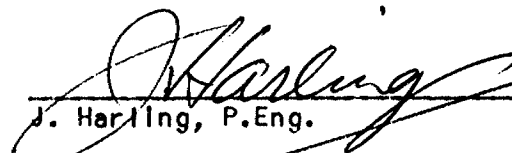
Following preliminary inspection the crosscut had to be scaled and cleaned up. Two thousand feet of one inch and three inch pipe had to be shipped to Kirkland Lake, taken underground and installed. The back had to be roof-bolted in places. A diamond drill station had to be cut near the end of the crosscut, widening it from 8 feet to 14 feet. This involved drilling, blasting, and hand mucking some 35 tons of slash.

Prior to recommending this work the writer, on June 20th last, discussed the proposed rehabilitation and the credits involved with Mr. J. C. Smith, Chief Mining Recorder, and Mr. E. Craig, Mining Recorder, here at Kirkland Lake. They were most helpful.

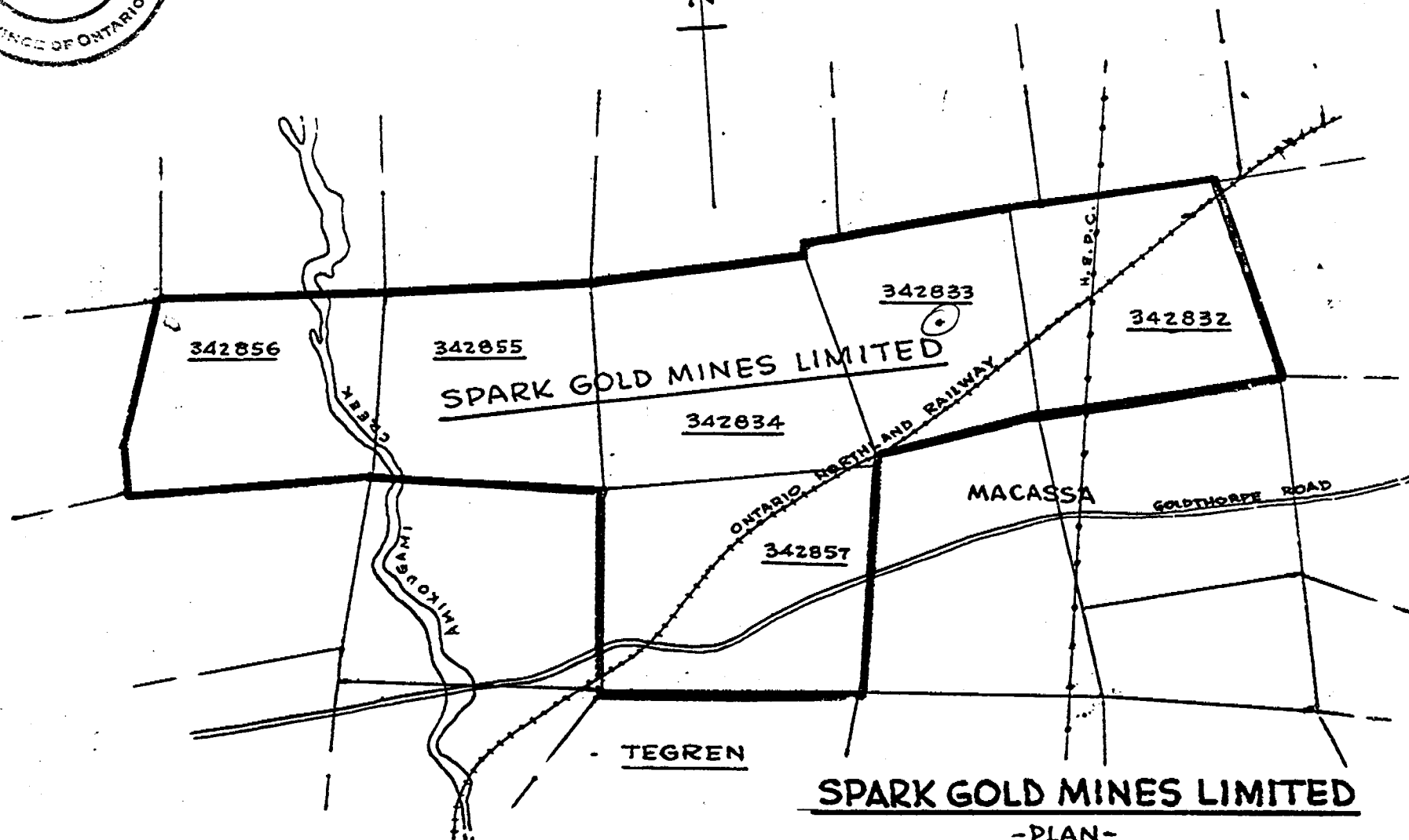
The work was done, and supervised, by Macassa. However, before and during the operation I made several trips to the mine and, on August 6th, visited underground with Mr. Fred Nabb, the manager, to see and discuss the progress made. I feel that the work was satisfactory from every viewpoint.

The three letter-size maps accompanying this should serve to locate the property, the crosscut, and the work done by Spark.

January 21, 1975

  
J. Harling, P.Eng.





⊙ is approximately  
Center of Township of Teck.

**SPARK GOLD MINES LIMITED**

-PLAN-

SHOWING LOCATION OF THE SIX  
CLAIMS IN THE TOWNSHIP OF TECK,  
LARDER LAKE MINING DIVISION

SCALE: 1 INCH TO 1000 FEET



See drawing No. 3

DIAMOND DRILL STATION CUT

SPARK GOLD MINES LIMITED

NO. 342833

NO. 342832

CROSSCUT

REPAIR TUNNEL

CASAKIRK  
2000 FT.

MACASSA

SPARK GOLD MINES LIMITED

- PLAN -

OF 2950-FOOT LEVEL, MACASSA MINE

SHOWING "CASAKIRK CROSSCUT" ON

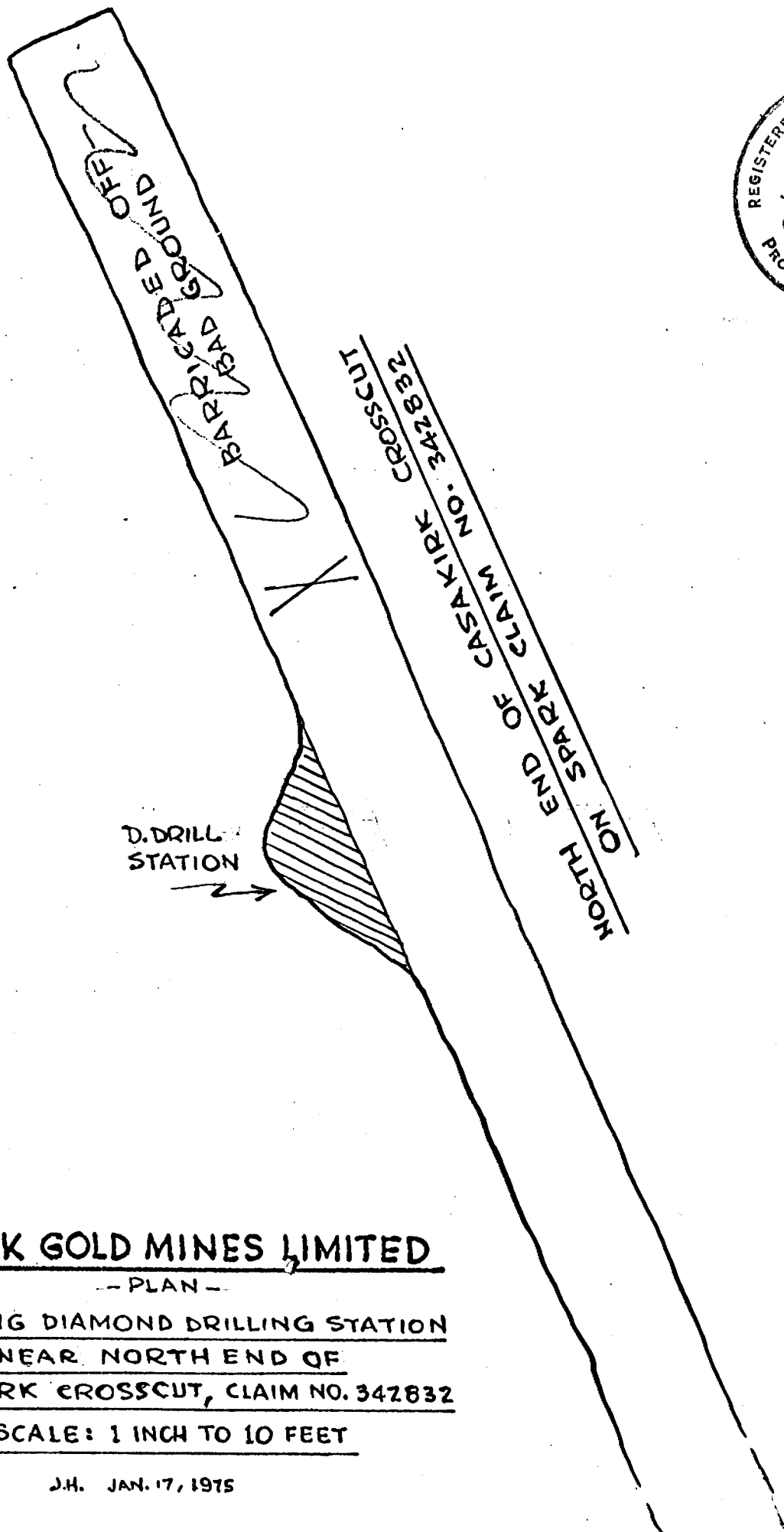
SPARK CLAIM NO. 342832

SCALE: 1 INCH TO 400 FEET

NO. 1 SHAFT

NO. 1 WINES

NO. 2 SHAFT



**SPARK GOLD MINES LIMITED**

-- PLAN --

SHOWING DIAMOND DRILLING STATION

NEAR NORTH END OF

CASAKIRK CROSSCUT, CLAIM NO. 342832

SCALE: 1 INCH TO 10 FEET

J.H. JAN. 17, 1975